

10/070782

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : 6,811,572 B2
DATED : November 2, 2004
INVENTOR(S) : Hashimoto et al.

Page 1 of 2

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Columns 15 and 17,

Please replace "Table 1" with the following on the attached page:

Signed and Sealed this

Nineteenth Day of April, 2005

A handwritten signature in black ink, appearing to read "Jon W. Dudas". The signature is stylized with a large, looping initial "J" and a distinct "D".

JON W. DUDAS
Director of the United States Patent and Trademark Office

Table 1

		Examples										Comparative Examples			
		1	2	3	4	5	6	7	8	9	10	1	2	3	4
Fluorocarbon	dtex	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Felt production method*		2	2	1	1	1	1	1	1	1	1	1	1	1	1
Polyurethane diol	type	PHC	PHC	PHC	PHC	PHC	PHC	PHC	PHC	PHC	PHC	PHC	PHC	PHC	PHC
	%	50	50	50	70	70	85	85	85	85	85	85	85	85	85
Other polymer diol	type	PNA	PNA	PNA	PTMG	PCL	PCL	PCL	PCL	PCL	PCL	PNA	PTMG	-	PCL
	%	50	50	50	30	30	15	15	15	15	15	80	80	-	15
Polyurethane content	%	35	35	35	25	25	25	25	25	25	25	35	25	25	25
Acetate agent	%	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0
Silicone lubricant	%	0	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.2	0.2	0
Frictional electricity before buffing	V	+11	+13	+15	+16	+15	+14	+14	+14	+14	+14	+11	+9	+9	+7600
Average nap length	mm	639	1015	1098	1205	1134	988	988	988	988	988	1201	1302	154	230
Local failure resistance retention	%	60	78	82	87	91	88	88	88	88	88	33	40	93	93
Failure resistance after accelerated ageing	times	65	112	132	115	124	133	133	133	133	133	34	40	144	119
Dyeability index B/A		0.59	0.59	0.59	0.53	0.62	0.65	0.65	0.65	0.65	0.65	0.45	0.69	0.56	0.62
Wet-rubbing failures	grade	4	4	4	4	4	4	4	4	4	4	4	4	4	4
Weight loss on rubbing	mg	14	18	16	15	11	12	12	12	12	12	33	40	7	10

* Methods of felt production

1: Two thin layers of web were superimposed and then needle punching/polyurethane impregnation performed, after which slicing was carried out to produce two sheets of nonwoven material.

2: A thick web was subjected to needle punching, then impregnated with polyurethane, to produce one sheet of nonwoven